GILA RIVER BASIN

09508500 VERDE RIVER BELOW TANGLE CREEK, ABOVE HORSESHOE DAM, AZ

LOCATION.—Lat 34° 04'23", long 111° 42'56", in sec. 35, T.9 N., R.6 E. (unsurveyed), Yavapai County, Hydrologic Unit 15060203, in Tonto National Forest, on right bank 1.3 mi downstream from Tangle Creek and 9 mi upstream from Horseshoe Dam.

DRAINAGE AREA.--5,858 mi², of which 365 mi² is noncontributing, including 357 mi² in Aubrey Valley Playa, a closed basin.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Aug. 1945 to current year.

REVISED RECORDS.--WDR AZ-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,029.0 ft above sea level.

REMARKS.—No estimated daily discharges. Records good. About 12,500 acres above station are irrigated by surface water and ground water. Low flow slightly regulated by powerplant 32 mi above station, using water from Fossil Creek. This station is above all major reservoirs on Verde River.

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, 145,000 ft³/s Jan. 8, 1993, gage height 23.4 ft, from slope-area measurement of peak flow; minimum, 48 ft³/s June 17, 1956, July 18 and 19, 1958, caused by power regulation on Fossil Creek; minimum daily, 58 ft³/s Aug. 15 and 18, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.—Maximum discharge since at least 1888, 150,000 ft³/s Feb. 24, 1891, based on comparison with peak discharge at other stations on Verde River.

EXTREMES FOR CURRENT YEAR.--:

			Date		Time	me Discharge (ft ³ /s)		Gage heig	ht (ft)			
			Sept. 11		2245	2,8	50	9.35				
Minim	num daily di	scharge, 58 f	t ³ /s Aug. 15	and 18.								
			DISCHAR	GE, CUBIC	FEET PER		WATER YEAR Y MEAN VALU		2001 TO	SEPTEMBER	2002	
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	178	221	259	235	197	187	154	92	67	69	71
2	124 124	189 191	222 224	256 254	235 238	196 192	190 179	151 144	85 82	66 70	65 67	73 72
4	128	190	241	253	240	198	166	140	80	66	72	71
5	139	187	263	252	247	204	160	143	79	67	74	66
6	142	187	254	250	257	204	163	142	80	67	83	65
7 8	146 177	196 198	251 246	249 250	254 255	206 213	180 191	144 136	82 82	66 65	99 107	90 578
9	264	198	242	250	252	208	208	131	79	63	104	920
10	280	201	242	248	249	202	208	124	79	65	96	724
11	242	199	247	247	249	204	204	118	81	63	87	1210
12 13	211 201	199 202	251 252	246 248	250 249	205 187	195 183	109 118	81 81	77 77	81 76	1380 765
14	198	202	252	249	252	184	170	135	82	80	70	507
15	200	205	252	249	243	188	156	124	80	102	58	368
16	194	206	255	247	237	193	151	112	76	177	61	305
17	186	209	256	245	231	192	144	107	76 78	103	63	275
18 19	187 185	210 205	257 254	243 242	227 224	198 211	143 147	103 98	76 76	91 97	58 64	247 224
20	184	203	255	240	225	215	142	95	70	94	65	202
21	175	208	256	238	220	208	140	92	71	93	65	182
22	175	212	256	240	212	198	140	88	68	91	64	171
23 24	173 172	209 211	254 253	239 238	208 204	188 178	138 132	95 98	67 65	80 83	63 63	161 153
25	169	216	252	234	199	174	134	96	65	89	60	146
26	166	217	251	230	190	174	134	99	65	92	64	140
27	166 176	214 212	252 252	227 225	183	169 167	132 133	103 100	66 70	82 85	66 69	131 129
28 29	176	212	252	225	187	172	143	97	69	80	69	132
30	177	218	253	228		176	152	96	69	84	71	137
31	171		256	231		183		94		79	73	
TOTAL	5518	6088	7724	7532	6452	5984	4845	3586	2276	2561	2246	9695
MEAN MAX	178.0 280	202.9 218	249.2 263	243.0 259	230.4 257	193.0 215	161.5 208	115.7 154	75.87 92	82.61 177	72.45 107	323.2 1380
MIN	110	178	221	225	183	167	132	88	65	63	58	65
MED	176	204	252	246	236	196	154	109	79	80	69	166
AC-FT CFSM	10940 0.03	12080 0.04	15320 0.05	14940 0.04	12800 0.04	11870 0.04	9610 0.03	7110 0.02	4510 0.01	5080 0.02	4450 0.01	19230 0.06
STATIST	TICS OF M	ONTHLY ME	AN DATA FO	R WATER Y	EARS 1946	- 2002,	BY WATER	YEAR (WY)				
MEAN	323.2	359.9	703.7	822.4	1164	1497	840.2	211.3	132.0	175.9	318.3	277.9
MAX	4194	1384	4644	12420	11020	10420	5638	1322	316	430	1184	1463
(WY) MIN	1973 155	1966 192	1979 227	1993 224	1980 220	1978 193	1973 155	1973 113	1955 75.9	1953 75.5	1951 72.5	1970 98.5
(WY)	1951	1963	1951	1961	1964	2002	1963	2000	2002	1958	2002	1956
SUMMARY	STATIST	ICS	FOR 2	001 CALEN	DAR YEAR	F	FOR 2002 WA	TER YEAR		WATER YEAR	S 1946 -	2002
ANNUAL ANNUAL				115680 316.9			64507 176.7			566.2		
	riean r Annual	MEAN		310.9			170.7			2229		1993
	ANNUAL M									177		2002
	DAILY ME			2950 74	Mar 15 Jun 15		1380 58	Sep 12 Aug 15		110000 58	Jan 8 Aug 15	
		Y MINIMUM		77	Jun 15		62	Aug 15		62	Aug 15	
	RUNOFF (229500			127900			410200	_	
	RUNOFF (CENT EXCE			0.05 628	8		0.03 252	2		0.10 870		
	CENT EXCE			211			177			238		
90 PERC	CENT EXCE	EDS		97			69			120		

09508500 VERDE RIVER BELOW TANGLE CREEK ABOVE HORSESHOE DAM, AZ—CONTINUED WATER-QUALITY RECORDS

PERIOD OF RECORD.--Oct. 1980 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date DEC	Time	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
18 APR	1415	247	1.2	709	11.4	104	8.5	642	20.5	8.0	5	260	48.0
03 JUN	1220	179	20	705	8.9	103	8.4	675	30.5	18.4	10	260	45.0
13 AUG	1340	80	19	704	8.0	106	8.4	772	36.5	25.4	15	270	43.0
09	1110	108	25	707	7.1	96	8.4	796	40.0	26.7	15	290	46.0
Date	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA) (00916)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG) (00927)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)
DEC 18	51.0	34.0	34.0	2.40	. 9	35.0	255	287	12	24.0	.3	58.0	<1cl
APR 03	49.0	36.0	37.0	2.70	1	43.0	250	295	5	27.0	.3	76.0	30
JUN 13	47.0	39.0	40.0	3.40	1	56.0	252	284	12	38.0	. 4	100	25
AUG 09	51.0	42.0	41.0	3.80	2	63.0	258	308	12	40.0	. 4	110	37
Date	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	E COLI, MTEC MF WATER (COL/ 100 ML) (31633)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)
Date DEC 18	DIS- SOLVED (TONS PER AC-FT)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN, AMMONIA TOTAL (MG/L AS N)	GEN, AMMONIA TOTAL (MG/L AS NH4)	GEN, NO2+NO3 TOTAL (MG/L AS N)	GEN, ORGANIC TOTAL (MG/L AS N)	PHORUS TOTAL (MG/L AS P)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	MTEC MF WATER (COL/ 100 ML)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	MONY, DIS- SOLVED (UG/L AS SB)
DEC	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHORUS TOTAL (MG/L AS P) (00665)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MONY, DIS- SOLVED (UG/L AS SB) (01095)
DEC 18 APR	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA TOTAL (MG/L AS N) (00610)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHORUS TOTAL (MG/L AS P) (00665)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MONY, DIS- SOLVED (UG/L AS SB) (01095)
DEC 18 APR 03 JUN	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) E316cl	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) <.20 <.20	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .01	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .01 .03	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHORUS TOTAL (MG/L AS P) (00665)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633) <1k	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	MONY, DIS- SOLVED (UG/L AS SB) (01095)
DEC 18 APR 03 JUN 13	DIS- SOLVED (TONS PER AC-FT) (70303)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) E316cl 398 450	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) <.20 <.20	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .01 .02	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .01 .03	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) <.020 <.020	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHORUS TOTAL (MG/L AS P) (00665) <.02 <.02	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	MTEC MF WATER (COL/ 100 ML) (31633) <1k E10k	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) <1k E6k	MONY, DIS- SOLVED (UG/L AS SB) (01095)
DEC 18 APR 03 JUN 13 AUG 09 Date	DIS- SOLVED (TONS PER AC-FT) (70303) .48 .54 .61 .66	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) E316cl 398 450 488 ARSENIC DIS- SOLVED (UG/L AS AS)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 355 380 432 469	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) <.20 <.20 <.20 .70 BARIUM, DIS- SOLVED (UG/L AS BA)	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .01 .02 .02 .02 .02 BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .01 .03 .03 .03 .03	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) <.020 <.020 <.020 <.020 BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 68 BORON, DIS- SOLVED (UG/L AS B)	PHORUS TOTAL (MG/L AS P) (00665) <.02 .02 .06 BORON, TOTAL RECOV- ERABLE (UG/L AS B)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) 7 <55 <5 CADMIUM DIS- SOLVED (UG/L AS CD)	MTEC MF WATER (COL/ 100 ML) (31633) <1k E10k E3k E8k CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD)	FORM, FECAL, 0.7 0.7 UM-MF (COLS./ 100 ML) (31625) <1k E6k E6k CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	MONY, DIS- SOLVED (UG/L AS SB) (01095) <1 <1 <1 <1 CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
DEC 18 APR 03 JUN 13 AUG 09 Date DEC 18 APR 03	DIS- SOLVED (TONS PER AC-FT) (70303) .48 .54 .61 .66	RESIDUE AT 180 DEG. C DIS- SOLVED (70300) E316cl 398 450 488 ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	SUM OF CONSTI- TUENTS, DIS- SOLVED (70301) 355 380 432 469 ARSENIC TOTAL (UG/L AS AS) (01002)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) <.20 <.20 .70 BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .01 .02 .02 .02 BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA) (01007)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .01 .03 .03 .03 .03 BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) <.020 <.020 <.020 <.020 BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 68 BORON, DIS- SOLVED (UG/L AS B) (01020)	PHORUS TOTAL (MG/L AS P) (00665) <.02 .02 .06 BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) 7 <5 <5 <5 CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	MTEC MF WATER (COL/ 100 ML) (31633) <1k E10k E3k E8k CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) <1k E6k E6k CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	MONY, DIS- SOLVED (UG/L AS SB) (01095) <1 <1 <1 <1 CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)
DEC 18 APR 03 JUN 13 AUG 09 Date	DIS- SOLVED (TONS PER AC-FT) (70303) .48 .54 .61 .66 ANTI-MONY, TOTAL (UG/L AS SB) (01097)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) E316cl 398 450 488 ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 355 380 432 469 ARSENIC TOTAL (UG/L AS AS) (01002)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) <.20 <.20 .70 BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	GEN, AMMONIA TOTAL (MG/L AS N) (00610) .01 .02 .02 .02 .02 BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA) (01007)	GEN, AMMONIA TOTAL (MG/L AS NH4) (71845) .01 .03 .03 .03 .03 .03 BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) <.020 <.020 <.020 <.020 BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 68 BORON, DIS- SOLVED (UG/L AS B) (01020)	PHORUS TOTAL (MG/L AS P) (00665) <.02 .02 .06 BORON, TOTAL RECOV- ERABLE (UG/L AS B) (01022)	DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340) 7 <5 <5 <5 CADMIUM DIS- SOLVED (UG/L AS CD) (01025) <.5	MTEC MF WATER (COL/ 100 ML) (31633) <1k E10k E3k E8k CADMIUM WATER UNFITRD TOTAL (UG/L AS CD) (01027) <.5	FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625) <1k E6k E6k CHRO-MIUM, DIS- SOLVED (UG/L AS CR) (01030)	MONY, DIS- SOLVED (UG/L AS SB) (01095) <1 <1 <1 <1 CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)

09508500 VERDE RIVER BELOW TANGLE CREEK ABOVE HORSESHOE DAM, AZ—CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

								MANGA-					
	COPPER,	COPPER, TOTAL	IRON,	IRON, TOTAL	LEAD,	LEAD, TOTAL	MANGA- NESE,	NESE, TOTAL	MERCURY	MERCURY TOTAL	NICKEL,	NICKEL, TOTAL	SELE- NIUM,
	DIS-	RECOV-	DIS-	RECOV-	DIS-	RECOV-	NESE, DIS-	RECOV-	MERCURY DIS-	RECOV-	DIS-	RECOV-	DIS-
	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED	ERABLE	SOLVED
Date	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L	(UG/L
Date	AS CU)	AS CU)	AS FE)	AS FE)	AS PB)	AS PB)	AS MN)	AS MN)	AS HG)	AS HG)	AS NI)	AS NI)	AS SE)
	(01040)	(01042)	(01046)	(01045)	(01049)	(01051)	(01056)	(01055)	(71890)	(71900)	(01065)	(01067)	(01145)
DEC													
18	<2	<2	<2	80	<2	<2	3	6	<.10	<.1	<1	<1	<1
APR	_	_	_		_	_	_			_	_	_	_
03	<2	<2	<2	801	<2	<2	7	33	<.10	<.1	<1	3	1
JUN	-0	<2	<2	534	<2	<2	7	26	<.10	<.1	<1	2	-1
13 AUG	<2	< 2	<2	534	<2	< 2	,	20	<.10	<.1	< 1	2	<1
09	<2	<2	<2	842	<2	<2	6	36	<.10	<.1	<1	3	<1
05				012		-2	Ü	30					
				STRON-						SEDI-			
			SILVER,	TIUM,	THAL-			ZINC,		MENT,			
	SELE-	SILVER,	TOTAL	TOTAL	LIUM,	THAL-	ZINC,	TOTAL	SEDI-	DIS-			
	NIUM,	DIS-	RECOV-	RECOV-	DIS-	LIUM,	DIS-	RECOV-	MENT,	CHARGE,			
D-+-	TOTAL	SOLVED	ERABLE	ERABLE (UG/L	SOLVED	TOTAL	SOLVED	ERABLE	SUS-	SUS-			
Date	(UG/L AS SE)	(UG/L AS AG)	(UG/L AS AG)	AS SR)	(UG/L AS TL)	(UG/L AS TL)	(UG/L AS ZN)	(UG/L AS ZN)	PENDED (MG/L)	PENDED (T/DAY)			
	(01147)	(01075)	(01077)	(01082)	(01057)	(01059)	(01090)	(01092)	(MG/L) (80154)	(80155)			
	(01147)	(01073)	(01077)	(01062)	(01037)	(01039)	(01090)	(01092)	(00134)	(00133)			
DEC													
18	<1	<1	<1	720	<2	<2	5	<2	3.0	2.0			
APR													
03	1	<1	<1	900	<2	<2	7	4	44	21.3			
JUN													
13	<1	<1	<1	940	<2	<2	4	2	62	13.4			
AUG	_	_	_		_	_	_	_					
09	<1	<1	<1	1020	<2	<2	6	6	37	10.8			

^{09... &}lt;1 <1 <1 <1 Remark codes used in this report:
 <-- Less than
 E -- Estimated value

Value qualifier codes used in this report:
 c -- See laboratory comment
 k -- Counts outside acceptable range
 1 -- Sample lab preparation problem

4 GILA RIVER BASIN

09508500 VERDE RIVER BELOW TANGLE CREEK ABOVE HORSESHOE DAM, AZ—CONTINUED

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Water-quality measurements in the following table were made as part of the ADEQ Fixed-Station Network Program. The following analyses are quality-assurance samples processed during the 2002 sampling period and are defined in the introductory text section titled "Water-Quality Control Data".

Date	Time	Sample type	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)
JUN													
13	1345	2	6.2	1	.04	<.03	<.1	<.20	<.01	<.020	<.02	<3	<.5
Date	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)				
JUN		_		_	_	_							
13 ORemark codes	<1	<.5	<1	<2	<2	<2	<1	<1	4				
UREMAIK COdes	used In	cmrs repo	Tr.										

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